

**RECHARGING POWER STORAGE DEVICES WITH
POWER OVER A NETWORK**

ABSTRACT

5 A network device is disclosed. The network device includes an incoming power port, an outgoing power port, an internal circuit, and a power storage system connected to the incoming power port, the outgoing power port and the internal circuit. In alternative embodiments, the device may include a power regenerator, a power detector and divider, or a power splitter.